



# HyJet™ Fluid Analysis

SEVERE



ABC Airline  
123 Airline Road  
Miami, FL

Green	Normal - within OEM limits
Amber	Caution - near OEM limits
Red	Severe - outside OEM limits

Report Number : 21E00001  
01/03/2021  
Dates format DD/MM/YYYY

<b>Aircraft Tail No:</b> AB-CDE	<b>Description:</b> Boeing B777-300	<b>Mobil Hyjet Aviation Hydraulic Fluid</b>
<b>Aircraft Hours:</b>	<b>Date Sampled:</b> 01/03/2021	<b>Date Received:</b> 01/03/2021

				OEM Limits
Sample Condition	CAUTION	SEVERE	NORMAL	
<b>Sample Identification Number</b>	21E00001	21E00001	21E00003	
<b>Aircraft Hydraulic System</b>	LEFT	CENTER	RIGHT	
<b>Tests</b>				
Appearance	CLEAR	CLEAR	CLEAR	CLEAR
Specific Gravity @ 25°C	1.0062	1.0028	1.0029	0.97-1.066
Viscosity @ 100°F cSt	7.63	7.29	7.32	6.00-12.50
Total Acid Number mg KOH/g	1.09	0.60	0.68	1.50 max
Chlorine ppm	21	15	19	200 max
Water content %	0.09	0.14	0.12	0.8 max
<b>Particle Count</b>				
5-15 µm particles/100ml	4500	390360	10430	128000 max
15-25 µm particles/100ml	500	30660	595	22800 max
25-50 µm particles/100ml	135	14685	325	4050 max
50-100 µm particles/100ml	35	1940	100	720 max
> 100 µm particles/100ml	15	250	5	128 max
NAS 1638 Class	6	11	7	9 max
<b>Gas dilution</b>				
Hyjet by GC %vol.	55			
Skydrol %vol.	45			
Acid Receptor by GC %	0			

**Comments:**

**LEFT System:** Sample is in satisfactory condition.

**CENTER System:** The particle count exceeds the recommended maximum of NAS 1638 Class 9.

**RIGHT System:** Sample is in satisfactory condition.